App. F. IX-4

1946-47 (Elct.)

File No. 136-46

Previous References.

Serial Nos. 2, 4.

Later References.
Elect 136-46 (5, 9, 11, 12, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29.)

GENERAL AND REVENUE SECRETARIAT

Serial Nos. 2

Part B for April '47

SUBJECT

Introduction of Trolley buses in Bangalore City & Civil & Military Station.

Letter no. E.DS. 3502 dt 2-4-47.
To The C.E.E.
Requested to prepare & submit plans & detailed Estimates for Govt. orders.

E. DS. 3503 dt 2-4-47.
Copy To The Genl. Manager, M. S. Rys.

E. DS. 3504 dt 2-4-47.
copy to the Secy. Genl. Deptt.

E. DS. 3505 dt 2-4-47.
Copy to the Comm. for Economic Development & Planning. for info.

7/4/47

Minutes of the Minister Dewan dated 2-3-46 on(Dairy No.2620/S.R) the file re. the action to be taken on the skeleton schemes of postwar development that are being received in the Secretariat from the Policy Committees thro' the Commissioner for Economic Development and Planning.

When the schemes put up by the Heads of Departments are substantially approved by the Policy Committees they may be examined by the administrative secretariats and their proposals and comments kept ready by the time the recommendations of the Taxation and Finance Co-ordination Committee are received. Wherever they agree (which means really the head of the department, the administrative secretariat and the Finance Co-ordination Committee) a push can be given without further loss of time. When the head of the department and Policy Committee agree but the administrative secretariat disagrees or where the head of the department and the secretariat agree but not the Policy Committee, the examination can be done in a more leisurely way pending the findings of the Co-ordination Committee. Where the head of the department, the Policy Committee and administrative secretariat all disagree, the findings of the Co-ordination Committee may be awaited. In all cases of doubt the orders of the Minister concerned may be obtained.

In every case, it is advisable that the preliminary spade work of varying degrees, no doubt, is done by the administrative secretariat so that when the final decision is taken to get on with a scheme, further time may not be lost. It is quite possible in some cases that notwithstanding the disagreement of the Policy Committee or the Finance Committee or both, Government may get on with or drop certain schemes. Therefore too much dependence on these committees is not desirable. They are more intended to reflect non-official opinion and their recommendations cannot by any means be considered mandatory.

Intd. O.P.R
2/3/46.

ELECTRICAL BRANCH
BANGALORE
Rec No 1711
Date 22-3-1946

Send extracts to all Secretaries concerned.

Intd. I.S.
4/3-

Elec. Branch for guidance.

KW/22/3/46

Mr HNR
Mr V-D

1) So far as the Elect. Dept. is concerned administrative sanction has already been accorded for certain post-war schemes at a cost of Rs. 500/- lakhs. The Commissioner of Economic Development & Planning has also been informed of this.

2) As personally instructed the letter received from the

Commissioner of Economic Development & Planning and the Ly. D. according administrative sanction to the schemes are put up for perusal.

VD 25/3.
AN 25/3.

3) The post war scheme costing Rs 500 lakhs in which administrative sanction has been accorded comprises of 12 Projects. These works are spread over 5 years. The details of the different stages of the several projects proposed to be taken year after year may be obtained from the CEE for the information of Govt & taking necessary action.

Secy) PK 26/3.

4) Yes
KM 28/3/46 PK 28/3

5) A draft letter to the Govt. is put up for approval.

Secy) PK 29/3

VD 29/3.
AN 29.3.46.

6) Done in case the Policy Committee & the Finance committee have approved of these schemes otherwise may be awaited.
KM 30/3/46
PK 30/3

7) The recommendations of only the Ind. Policy Committee have been received and not those of the Finance & Co-ordination Committee. May its recommendations be awaited.

Secy) 8) PK 1/4 + programmes for the years

VD 30/3/46.
AN 30.3.46.

9) yes, but detailed estt., where not yet submitted, may be pressed for from the Hds of Depts.
KM 2/4/46.

PK 1/4 Secy)
2/4
AN
4/4

Issued in NO-SDS
2269 dt. 4.4.46.

C. F. 69]

Continuation Sheet. File No. / Current No. of Page.

1852

Letter No. EC.121/45-46 dated the 11th April 1946 from the Commissioner of Economic Development & Planning forwards the letter of the Secretary to the Committee for Co-ordination & Finance regarding the estimate of funds for the Coal Fields Project.

14) The Committee for Co-ordination & Finance have resolved as follows in regard to the allotment of funds in the budget of the successive years:-

1946-47	150 lakhs
1947-48	200 lakhs
1948-49	200 lakhs
1949-50	45 lakhs

15) From the above it is clear that an allotment of only Rs 5/- lakhs is required during the current year. Submitted for orders.

16) A copy of this letter may please be sent to the CRE for information & to expedite in details. Estimate of work to be taken up during the next four years.

Secy) RJ 17/4

17) Yes
KW 18/4/46

RJ 18/4

18) A draft letter to the CRE is put up for approval. Secy) 19) RJ 22/4

DD 22/4 Dy 22/4/46.

20) Issue
KW 24/4/46
RJ 24/4

Secy) Dy 29/4 29/4

Issued in NO. BDS 2507 dated 29th April, 1946

Post-war schemes of development. S.

2088
Continuation Sheet. File No. / Current No. of Page.

1881/2088 S) Letter No 30053 dated the 1st May 1946 from the Chief Electrical Engineer.

" States that the respective estimates are under preparation and will be forwarded in due course.

R) Letter No 30053 dated the 1st May 1946 from the Chief Electrical Engineer.

T) Forwards a statement showing the details of the various proposals to be taken up & the funds required for their completion till June 1950.

21) Submitted for orders.

3/5/46

22) The detailed estimates as promised will be awaited. A copy of the statement furnishing the allocation of works in its different Stages for the next four years may be sent to the Commissioner, Economic development & planning.

Secy) 4/5

23) Yes

KM 4/5/46.

24) A draft letter is put up for approval

25) Done

6/5/46. KM 6/5/46.

Issued in WD. BDS 2681 dated 10th May 1946

WD 0726—GPB—25,000—15-9-44

D 858 Genl

Serial No.

Extracts of Dewan's orders in Dns 1189/SR re: speedy dispersal of the recommendations & post war of the schemes for Economic developments

26) Each of the Ministers will be supplied with the Consolidated statement & Secretaries will with the help of the Hds of Depts where necessary examine these schemes and suggest priority. They may state over a five year period, how this priority can be arranged.

Hon: Colleagues will then consider & state their opinions on these suggestions

1) I suggest that Secretaries may finish their examination by 25th Nov & submit their recommendations & suggestions to Ministers by 1st Dec

2) I hope to have all these suggestions considered in Council about 15th Dec

3) I trust we shall be in a position to issue a five year programme by 31st Dec.

Asst Secy.

27) Pl prepare a statement of works proposed under a) Electrical & b) Ry Depts.

28) Elec & Ry Sects put up at once

Initd RR 11/11/46

Initd PKR 11/11

NOTE—Contn. Sheet.

P.T.O.

1

Post-war schemes of the Electrical Dept

File No. of 194 . | General and Revenue Secretariat

Serial No.

858
E Corr

29) The C.E.E. has already forwarded at the instance of the Commissioner of Economic Development & Planning a statement showing the various works that are to be taken by the Elect. Dept. for which administrative sanction has already been accorded by Govt. He has also furnished information re. the budget provision required during the next five years ending with 1949-50 and they have been forwarded to the Commissioner for his information and necessary further action. These papers have been sent to the Chief Secretary in the file relating to the estimate for Rs 260/- lakhs. On its receipt it will be put up. Approval has already been given to place orders for the machinery required for the various works contemplated under the above scheme, after calling for quotations through the Secretary, S.P.C. Detailed estimates for certain items of works have already been submitted by the C.E.E. and sanctioned by Govt. and the others are under submission.

12/11 12/11

These have been examined by the Secy by the 25-3 and a desire by the Dewan So, pl by to get them before the 15-4.

13/11

30) The file since obtained from the office of the Chief Secretary is put up as directed.

12/4 13/11

31) pl prepare a SH furnishing the details

13/11

32) The statement is prepared & put up

14/11 16/4

statement typed & put up

16 Secy)

33)

16/11

Post-war schemes by the Electrical Dept 8

General and Revenue Secretariat | File No. | of 194 . | [App. F. III–2

Serial No.

X58/101
Elec

Letter No. EDS 1374 D.25/4/46 to the C.E.E. issued. –

Requests to be furnished with certain information.

Letter No. 15600 dated the 30th November 1946 from the Chief Electrical Engineer.

Furnishes the information called for and states that only Rs. 20/- lakhs may be provided during the current year.

33) Submitted for orders together with the statement duly corrected & initialled.

30/11 34) This Statement is submitted in accordance with the Dewan's minute, vide Para (26) Supra Min. P.C.) R.R. 2.12.46.

2/12

35) I am in general agreement with the views expressed by the Secy. I see that he has sent a copy of his note to the C.E.E.

OFFICE OF THE MINISTER FOR AGRICULTURE AND PUBLIC WORKS
2 DEC 1946
No. 4117

NOTE—Contn. Sheet.

Post-war schemes of the Electrical Dept.

File No. of 194 .

General and Revenue Secretariat

Serial No. 4117

If he suggests any change, it may be brought up for consideration.

K. 2/12/46.

1015

36) The C.E.E. has conveyed his agreement to the allotment of grants proposed in the Statement, in his letter D.O. No. 588 d 3-12-46. (Min. P.W.).

R.R. 4/12/46.

OFFICE OF THE MINISTER FOR AGRICULTURE AND PUBLIC WORKS
23 DEC. 1946
No. 4164

37) K. 6/12/46.

38) R.R. 7.12

39) The note may be circulated to all ministers for consideration in council.

40) The Minister P.W. will also kindly discuss this note with me.

RR 7/12

RR 7/12

41) K. 30/12/46

42) I have discussed this matter with the Dewan. The note may be circulated as ordered by the Dewan. (~~Dewan~~).

4447

4592 23/12

K. 8/1/47

43) 7 copies of the note may be put up for Circulation

R.R. 9.1.47)

10 15/Rdd

15/9/1

44) 7 copies are put up.

13/1/47 Pm 13/1

Secy)

45)

45/1

46) The Note requires modification in the last page. The Supdt. E.B. & the Concerned C.W. Shall see me today.

R.R. 16/1/47

16/1

47) The note is slightly modified in the last page and Resubmitted as personally instructed by the Secretary.

16/1 Pm 16/1

Chief Secy. W/C) For favour of Circulation..

21/1/47

R.R. 16/1/47

16/1

Council File No. 773 d 24/1.

For Consideration at a Meeting of Council

23/1/47

NOTE FOR CIRCULATION IN COUNCIL.

Subject:- Postwar Electrical Schemes.

A statement of Postwar Electrical Works at an estimated cost of Rs 500 lakhs proposed to be executed by the Electrical Department was received from the Chief Electrical Engineer with his letter No.C.282 dated 15th October 1945 and administrative sanction therefor was accorded in EDS.No.1082-5 dated 27th November 1945. The accompanying statement shows the various works covered by this sanction and allocation of funds required for these works spread over a period of 5 years. The priority to be given to these various works taking into consideration their importance and urgency is also indicated in the statement. Technical sanctions to several of these works have been accorded as shown in the statement.

2. It will be seen from the statement that the extension of the Jog Power Scheme by the installation of 4 Generating Units of 18,000 K.W. each under item 1, is the major item costing Rs 258.8 lakhs. Orders for all the equipment to be purchased from abroad have already been placed and the wo of extension will be contiguous to the fir stage of Jog Power Scheme.

3. The next major item of importance is the construction of a 110 K.V. 50 cycles Transmission Line, 160 miles long between Bhadravati and Bangalore under an estimate cost of Rs 98.65 lakhs. This work has been

773 a 24/1
Munshi, P.G.
Ev3111(W)
26/1/47.
OFFICE ... MINISTER FOR ... LTURE AND PU... WORKS
25 JAN. 1947
No 227

been given the same priority as the Jog Power Extension in as much as the Frequency Conversion Programme in the Bangalore area has to more or less keep pace with the Jog Power Extension in order that the 50 cycle power generated at Jog may be transmitted to and utilised in the areas served by the Bangalore Receiving Station. It may be mentioned in this connection that the Cauvery Power System consisting of Sivasamudram and Shimshapura Generating Stations with a total installed capacity of 59,200 K.W. is overloaded beyond its firm capacity of 50,600 K.W. with the result that further power expansion in the East, South and South-west parts of the State cannot take place until the power generated at Jog is made available to these areas. Therefore, next in importance and urgency is the "Part Conversion of Frequency in the Bangalore and Mysore areas" which has been given priority "B". This work is bound to be protracted on account of the several motors of the consumers having to be replaced by 50 cycle motors and the difficulty and delay likely to be experienced in obtaining the necessary equipment from abroad.

4. It has, however, to be mentioned that a part of the "Conversion Programme" i.e. in the Davangere area has to be given a higher priority because of our commitment to supply to the Government of Madras with 50 cycle power at Ujjini in the Ceded Districts. As this power has to be transmitted over the Bhadravati - Davangere Transmission Line, the Frequency Conversion in this area has to be accomplished by 1st April 1948, which is the target date for power supply to the

the Ceded Districts in accordance with the agreement that is to be entered into shortly (This has, however, been provided for in the Jog Power Scheme First Stage estimate sanctioned in Government Order No.P.W.8513-26/ dated 19th May 1943).

5. The construction of the Davangere - Tumkur Transmission line, 66 K.V., 50 Cycles, about 120 miles long, of a 33 K.V. line between Lodballapur and Pavagada, construction of a 33 K.V. Transmission Line between Chennapatna and Mandya, and the installation of unit Step-down Stations at various places mentioned in the statement are works which have been assigned priority "C", though estimates for several of these works have already been sanctioned. The other works have been given priorities "D" and "E" in the order of their urgency.

6. When the file was submitted to the Dewan, he has ordered that the note may be circulated to all Ministers for consideration in Council. The note is accordingly submitted.

R.Ramakrishnan.

Secretary to Government,
Electrical Department.
(6.1.43)

Sl. No.	Name of work.	Estimated cost.	1945-46.	1946-47.	1947-48.
		Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.
5.	Installation of Unit Step Down Stations for stepping down the High Tension Voltage to distribution voltage at				
	(a) Tumkur	2.08	-	-	2.08
	(2) Davengere	2.92	-	-	2.92
	(c) Shimoga	2.75	-	-	2.75
	(d) Chitaldrug	3.00	-	-	3.00
	(e) Tiptur	3.00	-	-	-
	(f) Mandya	2.75	-	-	2.75
	(g) Sagar	2.50	-	-	2.50
	(h) Chickmagalur	3.00	-	-	3.00
	(i) Pavagada	1.50	-	-	-
	(j) Goribidnur	1.50	-	-	1.50
	(k) Nanjangud	5.00	-	-	2.00
6.	Installation of Synchronous Condensers at appropriate places.	10.00	-	-	-
7.	Part conversion of Frequency in Bangalore and Mysore area.	10.00	-	-	-
8.	Electrification of various important Towns.	25.30	-	6.50	12.00

1948-49.	1949-50.	Stage of pendency.	Priority.
Rs Lakhs.	Rs Lakhs.		
-	-	Estimate for 2,07,500 sanctioned in Government Order No.EDS.35-7 dated 4-7-1946.	
-	-	Estimate for Rs 2,91,000 sanctioned in Government Order No.EDS.50-52 dated 5-7-1946.	
-	-	Estimate for Rs 3.41 lakhs received	Since Sanctioned C
-	-	Estimate for Rs 2,79,[illegible]70 sanctioned in Government Order No.EDS.C.13-15 dated 30-9-1946.	
3.0	-	Estimate not yet received	—
-	-	Do.	—
-	-	Estimate for 2.90 lakhs received [illegible] sanctioned in Government Order No.EDS.1403-[illegible] dated 27-11-1946.	
-	-	Estimate not yet received.	Since received
1.5	-	Do.	
-	-	Do	
3.0	-	Do.	
5.0	5.0	Estimate not yet received	E
4.0	6.0	Do.	B
4.0	-	Estimate for Rs 2,[illegible]0 received for the [illegible]rification of Anandav[illegible] Thyagarthi and Ri[illegible]t and is under con[illegible]tion.	D

Sl. No.	Name of work.	Estimated cost.	1945-46.	1946-47.	1947-48.	194
		Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	L
9.	Construction of a 33 KV. Transmission Line Between Chennapatna and Mandya.	4.00	-	-	-	
10.	Relay system for High Tension net work.	6.00	-	-	-	
11.	Underground cables for feeders in Bangalore and Mysore Distribution System.	13.00	-	-	-	
	T o t a l	500.00	2.00	20.00	199	2

8-49.	1949-50.	1950-51.	Stage of pendency.	Priority.	
Rs khs.	Rs Lakhs	Rs Lakhs.			
2.0	2.0		Estimate not yet received.	C	In connection with electrification of the Bangalore Mysore Railway Line.
1.0	5.0		Do.	D	
7.0	6.0		Do.	C	
00	49.0	30.0			

R. Ramakrishnan.

Secretary to Government,
Electrical Department.

16.1.47

NOTE FOR CIRCULATION IN COUNCIL.

773 d 24/1

Subject:- Postwar Electrical Schemes.

A statement of Postwar Electrical Works at an estimated cost of Rs 500 lakhs proposed to be executed by the Electrical Department was received from the Chief Electrical Engineer with his letter No.C.282 dated 15th October 1945 and administrative sanction therefor was accorded in EDC.No.1082-5 dated 27th November 1945. The accompanying statement shows the various works covered by this sanction and allocation of funds required for these works spread over a period of 5 years. The priority to be given to these various works taking into consideration their importance and urgency is also indicated in the statement. Technical sanctions to several of these works have been accorded as shown in the statement.

2. It will be seen from the statement that the extension of the Jog Power Scheme by the installation of 4 Generating Units of 18,000 K.W. each under item 1, is the major item costing Rs 258.8 lakhs. Orders for all the equipment to be purchased from abroad have already been placed and the work of extension will be contiguous to the first stage of Jog Power Scheme.

3. The next major item of importance is the construction of a 110 K.V. 50 cycles Transmission Line, 160 miles long between Bhadravati and Bangalore under an estimated cost of Rs 98.65 lakhs. This work has been

been given the same priority as the Jog Power Extension in as much as the Frequency Conversion Programme in the Bangalore area has to more or less keep pace with the Jog Power Extension in order that the 50 cycle power generated at Jog may be transmitted to and utilised in the areas served by the Bangalore Receiving Station. It may be mentioned in this connection that the Cauvery Power System consisting of Sivasamudram and Shimshapura Generating Stations with a total installed capacity of 59,200 K.W. is over-loaded beyond its firm capacity of 50,600 K.W. with the result that further power expansion in the East, South and South-west parts of the State cannot take place until the power generated at Jog is made available to these areas. Therefore, next in importance and urgency is the "Part Conversion of Frequency in the Bangalore and Mysore areas" which has been given priority "B". This work is bound to be protracted on account of the several motors of the consumers having to be replaced by 50 cycle motors and the difficulty and delay likely to be experienced in obtaining the necessary equipment from abroad.

4. It has, however, to be mentioned that a part of the "Conversion Programme" i.e. in the Davangere area has to be given a higher priority because of our commitment to supply to the Government of Madras with 50 cycle power at Ujjini in the Ceded Districts. As this power has to be transmitted over the Bhadravati - Davangere Transmission Line, the Frequency Conversion in this area has to be accomplished by 1st April 1948, which is the target date for power supply to the

the Ceded Districts in accordance with the agreement that is to be entered into shortly. (This has, however, been provided for in the Jog Power Scheme First Stage estimate sanctioned in Government Order No.P.W.8513-26/ dated 19th May 1943).

5. The construction of the Davangere - Tumkur transmission line, 66 K.V., 50 Cycles, about 120 miles long, of a 33 K.V. line between Godballapur and Pavagada, construction of a 33 K.V. transmission line between Channapatna and Mandya, and the installation of unit Step-down Stations at various places mentioned in the statement are works which have been assigned priority "C", though estimates for several of these works have already been sanctioned. The other works have been given priorities "B" and "A" in the order of their urgency.

6. When the file was submitted to the Dewan, he has ordered that the note may be circulated to all Ministers for consideration in Council. The note is accordingly submitted.

R. Ramakrishna.
Secretary to Government,
Electrical Department.
16.1.47

49.	1949-50.	Stage of pendency.	Priority.
	Rs Lakhs.		
		Estimate for Rs 260 lakhs has been sanctioned in Government Order No.EDS. 1216-18 dated 8th November 1946.	
3	25.0		A
		An estimate for Rs 98.65 Lakhs has been received and is under consideration.	
.7			A
		An estimate for Rs 35,67,200 has been sanctioned in	
.0		Government Order No.EDS. 28-30 dated 3-7-1946.	C
		An estimate for Rs 11,42,520 has been sanctioned in Government Order No.EDS.	
.5		2387-89 dated 14-4-1946.	C

Sl. No.	Name of work.	Estimated cost.	1945-46.	1946-47.	1947-48
		Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.
5.	Installation of Unit Step Down Stations for stepping down the High Tension Voltage to distribution voltage at				
	(a) Tumkur	2.08	-	-	2.08
	(2) Davangere	2.92	-	-	2.92
	(c) Shimoga	2.75	-	-	2.75
	(d) Chitaldrug	3.00	-	-	3.00
	(e) Tiptur	3.00	-	-	-
	(f) Mandya	2.75	-	-	2.75
	(g) Sagar	2.50	-	-	2.50
	(h) Chickmagalur	3.00	-	-	3.00
	(i) Pavagada	1.50	-	-	-
	(j) Goribidnur	1.50	-	-	1.50
	(k) Nanjangud	5.00	-	-	2.00
		30.00			
6.	Installation of Synchronous Condensers at appropriate places.	10.00	-	-	-
7.	Part conversion of Frequency in Bangalore and Mysore area.	10.00	-	-	-
8.	Electrification of various important Towns.	25.30	-	6.50	12.00

.	1948-49.	1949-50.	Stage of pendency.	Priority.
	Rs Lakhs.	Rs Lakhs.		
	-	-	Estimate for 2,07,500 sanctioned in Government Order No.EDS.35-7 dated 4-7-1946.	
	-	-	Estimate for Rs 2,91,600 sanctioned in Government Order No.EDS.50-52 dated 5-7-1946.	
	-	-	Estimate for Rs 3.41 lakhs received	C
	-	-	Estimate for Rs 2,79,470 sanctioned in Government Order No.EDS.C.13-15 dated 30-9-1946.	
	3.0	-	Estimate not yet received	
	-	-	Do.	
	-	-	Estimate for 2.90 lakhs received since sanctioned in Government Order No.EDS.1403-6 dated 27-11-1946.	
	-	-	Estimate not yet received.	
	1.5	-	Do.	
	-	-	Do	
	3.0	-	Do.	
	5.0	5.0	Estimate not yet received	E
	4.0	6.0	Do.	E
	4.0	-	Estimate for Rs 2,50,000 received for the electrification of Anandapuram Thyagarthi and Ripponpet and is under consideration.	D

23

I (i)

Subject:-

Post-War Electrical Schemes.

OPINION OF THE COUNCIL.

1945 Rec'd

2773.

24

Extract from the Proceedings of the 58th *Meeting of the Council of Ministers held at Bangalore on* 17th February *194* 7.

SUBJECT:-

Development Schemes for the Post-war period.

OPINION OF THE COUNCIL.

Post-war schemes relating to the Departments of:

(A) Electricity and

(B) Public Health and Medical Services

were generally discussed and decisions were taken as indicated in the Annexures (1) & (2).

T. C. M. ROYAN

Minister for Education and
Public Health in charge of the current
duties of the Dewan.

for favour of a final Note.

Min Agri x PW) UO 24/2/47-

please put up a D.F.N.

24/2

Ext. Com.

RL. 24/2/47

OFFICE OF THE MINISTER FOR AND KS
2 1947
6192

"EXTRACT"

Chief Secretary to Government.

ANNEXURE (1)

Department of Electricity.

Reference to Sl.No. of the Scheme	Nature of the Scheme.	Decisions taken with remarks if any.
1.	Post-war Electric Power Expansion Projects.	Sanctioned already. No fresh orders of sanction are necessary.
2.	Introduction of Electric Trolley-Buses in Bangalore City and Civil and Military Station.	S a n c t i o n e d. The initial construction should be by Government. The question of management of the service may be considered and decided later.
3.	Electrification of Railways between Bangalore and Mysore	Approved in principle.

Post-war Service

App. F. III-2

2.6

General and Revenue Secretariat

Elec File No. 136 of 1946.

Serial No.

1015/Elec

A D.F.N. is put up for approval.

8/3/47 Rec 7/3/47

Secy)

A D.F.N. is placed below.

Min. Rev.)

RK.

Rec 8/3/47 8/3/47

3-

9/3/47.

Final Note placed below.

8/3/47

Dewan)

RK. 19/3/47

Rec 10/3/47

MINISTER FOR ... AND PUBLIC ... 8 ... 47 No. 6589

19.12.1947 6881

NOTE– Contn. Sheet

Final Note by the Minister for Agriculture and Public Works.

Subject.— Development schemes for postwar period.

In Government Order No. EDS. 1082-85 dated 27th November 1945, administrative sanction to several post-war electrical schemes at an estimated cost of Rs. 5 crores was accorded. The main items under the list of Schemes proposed are:-

		Estimated cost.
1.	Extension of the Jog Power Scheme by the installation of 4 additional Generating units of 18,000 K.W. each at Jog with necessary switch-gear and transformers at Jog and Bhadravati, together with a duplicate circuit transmission line between Bhadravati and Jog.	258.8 lakhs
2.	Construction of a single circuit 110 K.V. transmission line from Bhadravati to Bangalore with necessary Switchgear and transformers.	95.7 "
3.	Construction of Davangere-Tumkur, Dodda-ballapur-Pavagada and other transmission lines	51.2 "
4.	Installation of unit step-down trans-former stations at Tumkur, Davangere, Shimoga, etc.	30.0 "
5.	Electrification of various towns	25.3 "

Technical sanction to several of the above projects has been conveyed, and detailed estimates in other cases are awaited. The main items of equipment required for the above works have also been ordered for from abroad.

The question of introduction of Electric trolley buses in Bangalore City and C. & M. Station was considered and it was decided that pending decision at a later stage on the question of management of the service, the initial construction of the Trolley-bus system should be by Government. The Chief Electrical Engineer has, therefore, been requested to prepare and submit plans and detailed estimates in this regard.

The scheme for the electrification of the Bangalore - Mysore

section of the Mysore Railways was considered and approved in principle. The necessary engineering and traffic data relating to this section are being collected and expert advice on this project which concerns both the Railway and Electrical Departments is proposed to be sought for.

The following resolution was passed at the meeting of Council held on 17th February 1947:-

Ref. to Sl. No. of the Scheme.	Nature of the Scheme	Decisions taken with remarks, if any.
1.	Post-war Electric Power expansion projects	Sanctioned already. No fresh orders of sanction are necessary.
2.	Introduction of electric Trolly buses in Bangalore City & C. & M. Station	Sanctioned. The initial construction should be by Government. The question of management of the service may be considered and decided later.
3.	Electrification of Railways between Bangalore and Mysore.	Approved in principle.

I solicit the gracious sanction of His Highness to the above resolution of the Council.

L. Siddappa

Bangalore,
15th March 1947.

Ministerfor Agriculture
and Public Works.

Submitted to His Highness.

I submit herewith a Final Note by the Minister for Agriculture and Public Works on the subject of the post-war schemes of the Electrical Department, for the gracious sanction of His Highness.

H. D. Royan.

Bangalore,
19th March 1947.

Minister for Education and Public Health
in charge of the current duties of the Dewan.

Record of Cases submitted for the Orders of His Highness the Maharaja.

Subject.

Post-war schemes of the Electrical Department.

936

Order.

RW
21/3/'47.

22/3/47
Chtey

25/3/47

Issue & Circulate.
RR.
26/3/47.
KVC
26/3/47

SUBJECT:—

Post-war schemes of the Electrical Department.

(*)

14. All urgent or confidential files returned with His Highness' orders may, in the absence of instructions or indications to the contrary, be ordinarily circulated to the Ministers for perusal after the issue of orders.

16 The Secretaries concerned should see that orders in the cases referred to above are issued at once and that the files are returned immediately after, to the Chief Secretary for circulation to the Ministers.

17. In all other cases, the files will first be circulated to the Ministers at Headquarters and then sent to the Secretariat concerned for the issue of orders.

Circulated to Council of Ministers for perusal of His Highness' orders before/after issue of orders. (*Vide* Rules 14, 16 and 17 of the Subsidiary Rules of the Mysore Government Business Rules.) (*)

Chief Secretary to Government.
25/3/47

Through the Secretary to Government,

Electrical & Railway....Departments

1. Minister for Education & Public Health. **Seen.**

9/4.

7085/11-4-47 2. Minister for Law. 11/4/47.

7652/9.4.47 3. Minister for Agriculture and Public Works. 9.4.47.

5954/10-4-47 4. Minister for Home. 10/4

8778/10.4.47 5. Minister for Revenue and Communications. 10/4

Secretary to Government,
Elec & Ry. Departments
(with compliments)

11/4/47

NOTE.—Contn. sheet

12/4

RR. 12/4/47.

KVC 12.4.47

11/4

1015/Elec

W.W.O. 126

The file relating to the Post-war schemes of the Elect. & Rly. Depts. has been received. The Railway Sectt. have to take action re. electrification of Bangalore-Hypore Railway line. If approved the file will be sent to the Rly. Sectt. for taking an extract of the above portion & returning the file to enable further action being taken by the Elect. Sectt. on the other subjects.

27/3 27/3

KVRC 27/3/47

Railway Sectt)
Thn
27/3

Extract taken and subl. separately. The file will, if appd., be returned to the Electrical Branch.

24/3/47

KVRC 24/3/47

A draft letter to the C.E.E. is put up for approval.

1/4 1/4 Secy

KVRC 1/4/47

RR. 2/4/47

NOTE- Contn. Sheet

53 Post-war measures [illegible]

Elect File No. 12(7 of 1946.

General and Revenue Secretariat

Serial No. 4

1015 Elec

Issued in No. E.D.S. 3502 dated 2nd April, '47 to the C.E.E.

Requests to prepare and submit Plans and details estimates and estimate funds, recurring and non recurring, with regard to electrification of Mysore-Bangalore Section * and states that if sum so required will be provided in the Railway Budget.

Copies to the General Manager, Mysore State Railways, The General Secretary, and the Director for Economic Development & Planning for information.

The file will now be sent to the Chief Secretary for circulation.

Recd 3/4/47

3/4/47

Secy

Chief Secy) for favour of circulation.
W/Cs)

RR. 9/4/47

Recd 9.4.47

S.No. 1278
29/1/46

No.EC.1045-49/45-46

Office of the Commissioner of
Economic Development & Planning,
Dated, Bangalore, 8th January 1946.

To

The Secretary, to the Government
of Mysore, Public Works, Electrical
and Railway Departments, Bangalore.

Subject:- Schemes of Development.

Sir,

I have the honour to submit herewith for kind information of Government a copy of letter issued by me to the marginally noted

1. The Chief Engineer for Roads and Buildings in Mysore.
2. The Chief Engineer for Irrigation in Mysore.
3. The Chief Electrical Engineer in Mysore.
4. The General Manager, Mysore State Railway.

} Heads of Departments of Offices who have furnished

skeleton schemes of development for the consideration of the Policy Committee concerned of the Economic Conference. I wish to suggest that Government may also issue instructions to the above Heads of Departments of offices to speed up the submission of detailed schemes so that the preliminary stages may be gone through and the administrative and financial aspects of the schmes studied by Government, pending the receipt of recommendations from the Policy Committee concerned and the Committee for Coordination and Finance. Full particulars are necessary before Government could take decisions on most of the schemes as the schemes now placed before the Policy Committees are sketchy. If the detailed schemes are immediately obtained, much of the delay which will necessarily occur in obtaining the schemes later after the opinion of the Policy Committee concerned and that of the Committee for Coordination and Finance are received, will be avoided, as in the meanwhile the preliminary stages would have been gone through in the Secretariat.

I have etc.,

Sd. J.Appaji Gowda,

Commissioner.

A draft letter to the C.E.B. is put up for approval.

29/1/46

29.1.46.

Issue
Kw/31-1-46

"Copy"

Issued in No EDS 1649 dated 2nd February 1946.

S.T.O.

No.E.C.1019-20/45-46

Office of the Commissioner of Economic Development & Planning,

Dated: Bangalore, 4th January 1946

To

The Heads of Departments or Offices.

Subject:- Skeleton Schemes of development.

S i r,

I have the honour to state that the skeleton schemes of development furnished by you are now under consideration by the concerned Policy Committees of the Economic Conference and decisions have already been taken in respect of some of them. These decisions are now being forwarded to Government for their consideration and approval. It is necessary that full particulars in respect of all the skeleton schemes should be available to Government, so as to enable them to consider all aspects of the matter and take quick decisions on the same.

I request you therefore to kindly submit to Government immediately detailed schemes in respect of all the skeleton schemes so far sent by you, copies of the same being simultaneously forwarded to this office as well as to the Secretary to Government, General Department, for information.

As steps have to be taken to implement the post-war development schemes with the least avoidable delay, the matter may be kindly treated as urgent.

I have etc.,

Sd. J. Appaji Gowda,

Commissioner.

" C o p y "

A.N.29th.

G. R. S. App. F. G 3.

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form*).

No. BDS 1649 dt. 2nd February 1946

Subject :- Post-war ... of Development

To

The Chief Electrical Engineer,
Bangalore

Sir,

I have the honour to invite reference to letter No. E.C. 1019-20/45-46 dt 4/1/46, from the Commissioner of Economic Development & Planning to your address on the above subject and to request that the detailed schemes therein referred to may kindly be forwarded very early.

I have etc

KM 31/1/46.
Secretary to Govt
Electrical Dept.

29/1/46

29.1.46.

WD 03697—GPB—30,000—2-2-46

TELEPHONE NO. 2110.

IMMEDIATE.

IN REPLY REFER NO. 20964 ENCLD. one copy & letter

TELEGRAPHIC ADDRESS:
"GOMED"

CODES USED
BENTLEY'S LIEBER'S
A. B. C. 6TH EDITION
BUSINESS TELEGRAPH CODE.

GOVERNMENT OF MYSORE
ELECTRICAL DEPARTMENT

OFFICE OF THE CHIEF ELECTRICAL ENGINEER

Bangalore, 2nd February .....19 46.
(MYSORE, S. INDIA.)

46

m v v.

KW Elec 5/2

RECEIVED at the Secretariat
BANGALORE
Rec No 1368
Date 7-2-1946

The Secretary to the Govt. of Mysore,
Electrical Department,
BANGALORE.

Sir,

Subject:- Post-war schemes of Development.

M)

With reference to your letter No.EDS.1649 of even date, I have the honour to enclose herewith, for information, copy of my letter No.18169 dated 6/7th January 1946, addressed to the Commissioner of Economic Development and Planning, Bangalore.

Regarding Electric Trolley Buses, I invite your kind reference to copy of my letter No.20862-4 dated the 2nd instant, addressed to the General Secretary to the Govt. of Mysore, submitting my proposals in this behalf.

(Submitted separately)

I have the honour to be,
Sir,
Your most obedient servant,

Chief Electrical Engineer.

MH-CSC.

Submitted for perusal.
7/2/46.
Secy) 9/2
7/2/46.
For orders whether the papers may be kept under Secy. 11/2
11/2/46
KW 11/2/46.
11/2

5

Copy of letter No.18169 dated 6/7th Jan.,1946 from the Chief Electrical Engineer to the Government of Mysore, Bangalore, to the Commissioner of Economic Development and Planning, Bangalore.

Sub: SKELETON SCHEMES OF DEVELOPMENT.

With reference to your Circular letter No.EC.1019-20 dated 4th January 1946 on the above subject, I have the honour to inform you that the Power Development Scheme which was approved by the Policy Committee of the Finance and Co-ordination Committee was submitted to Government and administrative sanction therefor has already been obtained and therefore no action is to be taken in this behalf.

With regard to the scheme of introduction of trolley busses in Bangalore and the electrification of railways between Mysore and Bangalore, the details are not yet available to enable me to submit the same to Government. As soon as details have been obtained, necessary further action will be taken to submit them to Government and obtain sanction thereto.

"C O P Y"

K Seshadri 4/-

MA. for Chief Electrical Engineer.

G. R. S. App. F. G. 3.

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form.*)

No. EDS 2269 dt. 4.4.1946.

Subject :- Post-war construction schemes estimated to cost Rs. 500/- Lakhs

To

The Chief Electrical Engineer,
Bangalore

Sir,

I have the honour to invite reference to G.O. No. EDS. 1082-85 (U) dated the 27th November 1945, according administrative sanction to the Post war schemes costing Rs. 500/- Lakhs, and to request that the details of the different stages of the several projects proposed to be taken year after year may kindly be furnished for the information & orders of Govt.

I have etc.

for Secretary to Govt.
Electrical Dept.

WD 0280—GPB—22,500—14-3-38

D.No.1855

Letter No.E.C.1707-11/45-46 dated the 28th/29th March 1946, from the Commissioner of Economic Development and Planning, Bangalore to the Secretary to Government, Public Works, Electrical and Railway Departments, Bangalore.

Subject:- Schemes of Development.

I have the honour to send herewith a copy of my D.O. letter No.E.C.1691-1706/45-46 dated the 29th March 1946 addressed to the marginally noted Heads of Departments or Officers on the above subject for information of Government and to request that necessary instructions may kindly be issued to these Officers urging them to submit detailed schemes in respect of all the skeleton schemes furnished by them without further delay.

1. The Chief Engineer for Roads and Buildings in Mysore.
2. The Chief Engineer for Irrigation in Mysore.
3. The Chief Electrical Engineer in Mysore.
4. The General Manager, Mysore State Railway, Mysore.

*Detailed scheme on Electrification of Railways between Mysore and Bangalore is due.

It is not satisfactory that in spite of instructions issued by this office and by Government, most of the Officers, should not have taken this seriously and submitted detailed proposals, though more than two months have elapsed. It is obviously not possible for Government to take decisions on the skeleton schemes and the recommendations of the Policy Committees and of the Committee for Coordination and Finance unless detailed schemes, explaining the necessity for each scheme, the basis on which the targets are fixed and the pace of execution determined, the additional staff required and the scales of pay proposed etc., are before Government.

"Copy"

L.O.No.EC.1691-1706/45-46 dated the 28th/29th March 1946, from the Commissioner, Economic Development and Planning, Bangalore

---

Subject:- Schemes of Development.

I write to invite your kind reference to this office letter No.E.C.1019-20/45-46 dated the 4th January 1946 and to letter No. P.W.5118-19/R&B. 75-45-2 dated 15th January 1946 addressed to you by the Secretary to Government, Public Works Department, requesting you to prepare and submit to Government immediately detailed schemes in respect of all the skeleton schemes sent by you, as it is necessary for Government to have before them full particulars to enable them to study the administrative and financial aspects of all such schemes pending receipt of recommendations from the Policy Committees concerned and the Committee for Co-ordination and Finance, and to state that such detailed schemes do not appear to have been forwarded by you to Government as yet as no copies thereof have been received by me so far. The Policy Committees have already considered and sent up their recommendations to Government on almost all the skeleton schemes, and even the Committee for Coordination and Finance has taken decisions on a good number of schemes considered by the Policy Committees and has been communicating its recommendations also to Government for orders. It is therefore a matter of urgent necessity that detailed proposals on the several schemes should be submitted to Government so as to enable them to take quick decisions on the same, as it is obviously not possible for them to pass final orders on the skeleton schemes and the recommendations of the Policy Committee or the Committee for Coordination and Finance, without full particulars on all relevant points being available.

I request you therefore to kindly expedite the forwardal of detailed schemes in respect of all the skeleton schemes of your Department, if they have not been submitted to Government already, and to send me copies of the same for reference.

The matter may be kindly treated as very urgent.

No.C.F. 511 /45-46

Office of the Secretary,
Co-ordination and Finance Committee,
No.5/1, Sri Jayachamaraja Road,
Dated, Bangalore the 6th April 1946.

To

The Secretary to Government,
Electrical
~~General~~ Department,
BANGALORE.

EC F 2055/45-46

8/4/46

Through

The Commissioner,
Economic Development and Planning,
BANGALORE.

EC 1821/45-46

Forwarded with compts.
Commissioner
11/4/46

Sir,

Subject: Second stage of the Jog Electric Power Project.

In continuation of this office letter No.C.F. 25 of 45-46 dated 24-11-45 forwarding proceedings of the Special meeting of the Co-ordination and Finance Committee held on 6-11-45, I have the honor to state that the allocation of the expenditure of Rs.5 crores for each of the 5 years under the 2nd stage of the Jog Power Project was considered by the Co-ordination and Finance Committee at its meeting held on 18-3-46. After hearing the Chief Electrical Engineer as to the amounts required in each of the 5 years it was resolved to fix the allocation of the total estimated expenditure of 5 crores in the 2nd stage of the Jog Power Project, apart from Rs.5 lakhs alloted during 1945-46, as follows: -

1946-47	....	50 lakhs.
1947-48	....	200 lakhs.
1948-49	....	200 lakhs.
1949-50	....	45 lakhs.

With regard to the question of Ways and Means it was decided that the same may be considered in April 1946 by which time the total capital requirements of post-war plans will have been ascertained and the Committee would

P.T.O.

be in a better position to decide the method of financing them.

I have the honor to be,
Sir,
Your most obedient servant,

N. Macdonald

N.B.S.

SECRETARY.

DNo 1934

1

Mr. B. S. Raghavendra Rao, M.A.(Hons.)
Financial Secretary to Government

Financial Secretariat,
17th April 1946.

D.O.No.Fl.7371

My Dear Mr. Appaji Gowda,

In connection with the preparation of the Budget Estimates for next year, I would be obliged if you would please let me know what lumpsum provision, if any, would have to be made for meeting recurring and non-recurring expenditure in respect of schemes of Post-war Development, pending approval to the relative schemes. I may add that I am also requesting the Secretaries to Government also to furnish me the necessary information.

To record all the transactions relating to the schemes for postwar development, it is proposed to open a new head "32-C-Scheme of Post-war Development" in which the provision in respect of each department both recurring and non-recurring is proposed to be shown, the necessary amounts being included in the relative heads and deducted at the end of each head by a deduct entry, so that the departmental estimates may also show the extent to which additional allotments have been made in respect of each Department. I would like to know if you think this representation in accounts of the expenditure on post-war schemes would be adequate.

Yours sincerely,

Sd. B. S. Raghavendra Rao

J. Appaji Gowda, Esq., B.A.(Hons.)
Commissioner for Economic Development & Planning in Mysore
B a n g a l o r e.

Memo No.Fl.6372-6379 Dated 13th April 1946

Copy of the above, is forwarded, with compliments, to the Secretary to Government, Public Works, Electrical and Railway Departments, for favour of kindly furnishing the information to the office on or before the 17th April 1946.

Sd. P.H. Honnappa
For Secretary to Government,
Finance Department.

Submitted
Another reference has since been received from the Commissioner of Economic Development & Planning inviting the attention to the allotment of the lumpsum provision of Rs.500/- lakhs during the successive years in consultation with the D.R.B. Orders thereon are awaited.
M.A. 15/4/46.

P.T.O.

1934 Details Estimate of works proposed to be taken up during the next four years are ~~not~~ being called for from the CEE. This will naturally take some time to get while the Fin. Secy wants the information by the 17th inst.

Secy) RJ 22/4.

This should have been dealt with more expeditiously. When the inform^n was required before the 17th, the file is put up before me on the 24th.

The Heads of Departments of all three sections should be immediately addressed to give approx. figures for the Post War re-constr^n schemes next year and then send up programmes, unless this inform^n is available here alone.

KW 25/4/46.

RJ 25/4

Explained to the Secretary in Finance Action has already been taken by addressing the CEE. for the information. The other two Branches (P.W.D. & Rlys.) have also taken action. The information will be awaited from the C.E.E.

Secy) RJ 25/4.

DD 25/4

HDR 25/4

Yes
KW/26/4/46. RJ 26/4

G. R. S. App. F. G. 3.

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form.*)

No. EDS 2507 dated 29-4-'46

Encl: one -

Subject:- 3g Power Scheme extension - Allotment of funds etc.

To

The Chief Electrical Engineer, Bangalore

Sir,

I have the honour to forward herewith, for your information a copy of letter No. E.F. 1821/45-46 dated the 6th April 1946 received from the Commr. of Economic Development and Planning on the above subject, and to request you kindly to expedite the submission of the detailed estimates of the works ~~proposed~~ to be taken up during the next four years. ~~under the 3rd stage scheme during the next four years.~~

I have etc.

Secretary to Govt. Electrical Dept.

22/4/46.

WD 0522—GPB—7,500—16.2.37

14

TELEPHONE No. 2110.

IN REPLY REFER TO No. 30,083 ENCLO.

TELEGRAPHIC ADDRESS:
"GOMED"

CODES USED
BENTLEY'S LIEBER'S
A. B. C. 6TH EDITION
BUSINESS TELEGRAPH CODE.

GOVERNMENT OF MYSORE
ELECTRICAL DEPARTMENT

OFFICE OF THE CHIEF ELECTRICAL ENGINEER

Bangalore, 30th April .....1946.
(MYSORE, S. INDIA.)

1.5.46

The Secretary to the Govt. of Mysore,
Electrical Department,
BANGALORE.

ELECTRICAL DEPARTMENT
BANGALORE
Regd. No. 2088
Date 3-5-1946

Sir,

Subject:- Jog Power Scheme extension - Allotment of funds, etc.

With reference to your letter No.EDS-2507 dated the 29th instant, forwarding a copy of the letter received from the Commissioner of Economic Development and Planning, on the above subject, I have the honour to inform you that detailed estimates for the works to be taken up during the next four years are under preparation. Some of the estimates have been submitted to Government, ~~and~~ some are under Audit/scrutiny and the rest are under preparation. Hence detailed estimates will be submitted as and when each estimate gets ready in every respect.

In this connection I invite your kind reference to my letter No. 30,053 dated 30th instant furnishing a statement of stages in which the various works are proposed to be completed till June 1950.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Electrical Engineer.

MH-CSC.

TELEPHONE No. 2110.

IN REPLY REFER TO NO. 3001058 ENCLD. One statement.

TELEGRAPHIC ADDRESS:
"GOMED"

CODES USED
BENTLEY'S LIEBER'S
A. B. C. 6TH EDITION
BUSINESS TELEGRAPH CODE.

GOVERNMENT OF MYSORE
ELECTRICAL DEPARTMENT

OFFICE OF THE CHIEF ELECTRICAL ENGINEER

Bangalore,....30th April.....1946.
(MYSORE, S. INDIA.)
1-5-46

The Secretary to the Govt. of Mysore,
Electrical Department,
BANGALORE.

SECRETARIAT OFFICE
BANGALORE
Rec'd No. 2090
Date 3-5-1946

Sir,

Subject:- Post-war Electrical Schemes costing Rs500 lakhs.

With reference to your letter No.EDS.2269 dated the 4th instant, calling for different stages of the several projects proposed to be taken up year after year, I have the honour to enclose herewith a statement showing the detail names of the various works proposed to be undertaken and the funds required each year for completion of each item of work till June 1950 for the information of Government. The money allotment indicated therein shows the period required for completion of each work and the amount of work proposed to be carried out each year.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Electrical Engineer.

MH-CSC.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

POSTWAR ELECTRICAL SCHEMES.

Statement showing the detail names of the various works proposed tobe taken up year after year and the funds required each year for complation of each item of work till June 1950.

Sl. No.	Name of work.	Estimated cost.	1945-46	1946-47	1947-48	1948-49	1949-50.
		Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.
1.	Installation of 4-18000 kW Units complete with necessary switchgear at Jog and also installation of transformers and Switchgear at Bhadravati including the duplicate Transmission Line between Bhadravati and Jog.	258.8	2.00	11.50	108.0	112.3	25.0
2.	Construction of Bangalore-Bhadravati Transmission Line with necessary equipment at Bhadravati and Bangalore inclusive of interconnecting cables between the New Station and A, B & C Stations.	95.7		21.00	37.0	37.7	
3.	Construction of Davangere-Tumkur Transmission Line 66 kV.	35.7		5.70	15.0	15.0	
4.	Construction of a 33 kV line between Dodballapur and Pavagada including increasing of the conductor size between Bangalore and Dodballapur.	11.5		2.50	4.5	4.5	
5.	Installation of Step-down Stations for stepping down the High Tension Voltage to distribution voltage at -						
	(a) Tumkur	2.08			2.08		
	(b) Davangere	2.92			2.92		
	(c) Shimoga	2.75			2.75		
	(d) Chitaldrug	3.00			3.00		
	(e) Tiptur	3.00				3.0	
	(f) Mandya	2.75			2.75		
	(g) Sagar	2.50			2.50		
	(h) Chickmagalur	3.00			3.00		
	(i) Pavagada	1.50				1.5	
	(j) Goribidnur	1.50			1.50		
	(k) Nanjangud	5.00			2.00	3.0	

C.O.

P.T.O.

Sl. No.	Nature of work.	Estimated cost.	1945-46	1946-47	1947-48	1948-49	1949-50
		Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs
	B.F.						
6.	Installing synchronous condensers at appropriate places.	10.00				5.0	5.0
7.	Part conversion of frequency in Bangalore and Mysore area.	10.00				4.0	6.0
8.	Electrification of various important towns.	25.30		9.30	12.00	4.0	
9.	Construction of a 33 kV Transmission Line between Channapatna and Mandya.	4.00				2.0	2.0
10.	Relay System for High Tension net work.	6.00				1.0	5.0
11.	Underground cables for feeders in Bangalore and Mysore distribution system.	13.00				7.0	6.0
	Total.	500.00	2.00	50.00	199	200	49.0

Chief Electrical Engineer.

Bangalore,
30th April 1946.
MH-CSC.

G. R. S. App. F. G. 3.

GENERAL AND REVENUE SECRETARIAT.

(*Continuation sheet draft form*).

No EDS 2681 dated 10th May, 46
Encl one

Subject:- Second Stage of the Jog Electric Power Project.

To

The Commissioner of Resource Development & Planning, Bangalore.

Sir,

With reference to your memo No. E.C. 1821/45-46 dated the 11th April 1946, forwarding letter No. C.F. 511/45-46 dated the 6th April 1946 of the Secretary, Committee for Co-ordination & Finance on the above subject, I have the honour to forward herewith for your information a copy of the Statement showing the various works proposed to be undertaken during the next four years & the allotment of funds required therefor & till

T)

WD 03697—GPB—30,000—2-2-46

Au
815

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

POSTWAR ELECTRICAL SCHEMES.

Statement showing the detail names of the various works proposed to be taken up year after year and the funds required each year for completion of each items of work till June 1950.

Sl. No.	Name of work.	Estimated cost.	1945-46	1946-47	1947-48	1948-49	1949-50
1.		Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs.	Rs Lakhs	Rs Lakhs
1.	Installation of 4-18000 KW. Units complete with necessary switchgear at Jog and also installation of transformers and switchgear at Bhadravati including the duplicate transmission Line between Bhadravati and Jog.	258.8	2.00	11.50	108.0	112.3	25.0
2.	Construction of Bangalore Bhadravati Transmission line with necessary equipment at Bhadravati and Bangalore inclusive of interconnecting cables between the New Station and A, B and C Stations.	95.7		21.00	37.0	37.7	
3.	Construction of Davangere Tumkur Transmission Line 66 KV.	35.7		5.70	15.0	15.0	
4.	Construction of a 33 KV. line between Doddaballapur and Pavagada including increasing of the conductor size between Bangalore and Doddaballapur.	11.5		2.50	4.5	4.5	
5.	Installation of a Step-down Stations for stepping down the High Tension Voltage to distribution voltage at						
	(a) Tumkur	2.08			2.08		
	(b) Davangere	2.92			2.92		
	(c) Shimoga	2.75			2.75		
	(d) Chitaldrug	3.00			3.00		
	(e) Tiptur	3.00				3.0	
	(f) Mandya	2.75			2.75		
	(g) Sagar	2.50			2.50		
	(h) Chickmagalur	3.00			3.00		
	(i) Pavagada	1.50				1.5	
	(j) Goribidnur	1.50			1.50		
	(k) Nanjangud	5.00			2.00	3.0	

P.T.O.

Sl. No.	Nature of work.	Estimated cost.	1945-46	1946-47	1947-48	1948-49	1949-50
		Rs Lakhs.	Rs Lakhs	Rs Lakhs.	Rs Lakhs	Rs Lakhs	Rs Lakhs.
6.	Installingsynchronous condensers at appropriate places.	10.00				5.0	5.0
7.	Part conversion of frequency in Bangalore and Mysore area.	10.00				4.0	6.0
8.	Electrification of various important towns	25.30		9.30	12.00	4.0	
9.	Construction of a 33 KV. Transmission Line between Chennapatna and Mandya.	4.00				2.0	2.0
10.	Relay System for High Tension net work.	6.00				1.0	5.0
11.	Underground cables for feeders in Bangalore and Mysore distribution system.	13.00				7.0	6.0
	Total	500.00	2.00	50.00	199	200	49.0

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

Immediate

General and Revenue Secretariat,

No. GDS 1374.

Dated Bangalore, 25th Nov. 1946.

FROM

The Secretary to the Government of His Highness the Maharaja of Mysore.

To

The Chief Electrical Engineer
to the Government of Mysore,
BANGALORE.

Subject: Post-War Electrical Schemes.

Sir,

I am directed to invite a reference to your letter No.30053 dated 1st May 1946 with which was submitted a statement showing various works proposed to be taken up during a period of five years ending with June 1950. It would be seen from this list that the funds provided for the current year which amount to a total of Rs.50 lakhs would require revision in the light of actual progress made by these various schemes and their present status.

2. It is also observed that while a sum of Rs.10 lakhs has been provided for "Part conversion of frequency in Bangalore and Mysore areas", under item 7 of the list, no provision has been made for the funds required for the frequency conversion in the Davangere area which has to be taken up immediately consequent to our agreemer to supply power to the Ceded Districts. Therefore, a sum of Rs.3 lakhs is being provided for, for this item of work for 1947-48.

3. It is also observed that no funds have been provided for, ~~for~~ the electrification of Bangalore-Mysore Railway line nor for the introduction of Trolley Buses in Bangalore. The entire cost of the electrification of Bangalore-Mysore Railway will, therefore, be included in the five-year programme of the Mysore Railways.

4. It may please be indicated how the programme of introducing Trolley Buses will be taken care of.

5. Your attention is also invited to the statement "A" showing the loads expected during the next five years wherein large power loads such as pig iron furnaces at Bhadravathi, Stainless Steel plar etc., are indicated. It is presumed that the cost to the Electrica Department by way of equipment necessary to meet these load demands has been covered by the estimates for the Jog Falls Power Scheme, stages 1 and 2, and as such no additional funds need be provided for

6. An early reply clarifying the above points is requested as a consolidation of the various post-war projects is now under active consideration of Government.

I have the honour to be,
Sir,
Your most obedient servant,

R.L. 25.XI.46

Secretary to Government,
Electrical Department.

GOVERNMENT OF MYSORE. ELECTRICAL DEPARTMENT.

STATEMENT 'A'

LOAD FORECAST FOR THE NEXT FIVE YEARS.

	K.W.
1. Chemical Plant (Alkali)at Bhadravati	1,750
2. Cotton Mill at Nanjangud	1,000
3. Vanaspathi Oil Mills, Davangere	500
4. Two Pig Iron Furnaces, each of 13,500 K.W.	27,000
5. Calcium Carbide Furnace	3,000
6. Duplicate Ammonia Plant, Belagola	3,700
7. Electrification of Railways	6,000
8. Power supply to Madras near Ujjani	4,000
9. Newsprint Paper Mills (Bhadravati)	2,000
10. Plywood Factory (Jog Area)	500
11. China Clay Industry (Jog Area)	1,000
12. Strip Mill at Bhadravati	2,000
13. Duplicate Cement Plant	700
14. Additional Pump at Thippagondanahalli	750
15. Nitric Acid Plant at Belagola	750
16. Urea and Dichromate Plant, Belagola	500
17. Kolar Gold Fields	1,250
18. Cogging Mill at Bhadravati	1,200
19. Stainless Steel Plant, Bhadravati	10,000
20. Bassemer Convertor, Do.	500
21. Aluminum Plant (Jog Area)	25,000
22. Miscellaneous growth for next 5 years in places already electrified at the rate of 2000 K.W. per year	10,000
23. Electrification of new places	5,000
24. Reserved for Bombay	3,750
Total	111,850 K.W.
Existing	55,000 "
Total	166,850 K.W.

" C O P Y "

A.N.29th

24

TELEPHONE No. 2110
No. 15600
ENCLO.

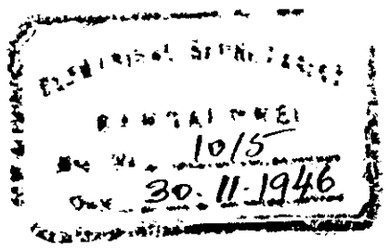
IMMEDIATE.

TELEGRAPHIC ADDRESS:
'GOMED'

GOVERNMENT OF MYSORE
ELECTRICAL DEPARTMENT

OFFICE OF THE CHIEF ELECTRICAL ENGINEER,
Bangalore, 30th November ..... 1946.
(MYSORE, S. INDIA.)

The Secretary to the Govt: of Mysore,
Electrical Department,
BANGALORE.



Sir,

Subject:- Post-war Electrical Schemes.

With reference to your letter No. EDS-1574 dated the 25th instant, on the above subject, I have the honour to state as follows:-

In my letter No. 30053 dated 1st May 1946 approximate amounts required for each year against the Rs500 lakhs for the post-war development schemes sanctioned were indicated. Subsequently delays were anticipated and therefore in the budget for the current year only a sum of Rs20 lakhs has been provided, vide under Item 2(a) under Capital - New Power Installations and Electrification projects - sanctioned works. Similarly amounts allotted for the various years may vary from time to time depending upon the progress to be secured, which will entirely depend upon actual receipt of foreign materials at worksopts, and ~~it is possible that~~ the amounts that lapse each year may be required at the end and the period of execution of the post-war schemes, which is fixed to 1949-50, may extend to 1950-51. It is rather difficult at present to very accurately gauge the amounts required each year and hence the original provision made for 1947-48, 1948-49 and 1949-50 may be allowed to stand and the figure for 1946-47 be corrected to Rs20 lakhs.

With regard to para 2 of your letter, I have to state that the conversion of frequency in Davangere-Bhadravati area is covered by the provision of Rs7 lakhs made under item 14(b) of the Revised Estimate for First Stage of Jog sanctioned in G.O.No. P.W.8513-26 dated 19th May 1943 and the budget provision of Rs138.9 lkahs in the current year's budget under Item 2 - Jog Falls Project (Electrical Works) First Stage covers the provision required for conversion of frequency in Davangere-Bhadravati area.

With regard to the Electrification of Bangalore-Mysore Railway, no provision was made by me, as it is not decided whether the Railway Department expects A.C. power from us or D.C. In case A.C. power at 33 kV is to be supplied, there will be very little expenditure tobe incurred by this department. If D.C. power is to be made available, naturally necessary provision will have to be made for the Conversion Stations to be established at various points. As the scheme had not been fully worked

P.T.O.

Elect' 136-46-2

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Telegrams:—"GOMED"

Telephone No. {Office : 2416 / Residence : 2014

MR. M. HAYATH, B.E. (MECH.), B.S.E.E.
Chief Electrical Engineer.

OFFICE OF THE CHIEF ELECTRICAL ENGINEER
TO THE GOVT. OF MYSORE.

D. O. No. 588

BANGALORE, 3rd December 1946.
(S. INDIA)

REMARKS
No. 1042
Date 3.12.1946

Dear Mr. Ramakrishna,

POST-WAR SCHEMES.

I have for acknowledgment your D.O.letter No.EDS-1485 dated the 2nd instant along with its enclosure, and in reply wish to state that I agree with the allotment of grants proposed for the various years and also the priorities fixed for various works. The following corrections may be incorporated:-

Para 4 of the Note states that 50 cycle power at Ujjini is to be transmitted over the Bangalore-Davangere Transmission Line. This may be corrected to Bhadravati-Davangere Transmission Line.

With regard to the grants, the total of the grants allocated for the year ending 1949-50 comes up to ₹470 lakhs aginst ₹500 lakhs. The ₹30 lakhs remaining along with the amounts that may lapse during the other years will have to be provided for, for the year 1950-51.

Under item 9 of the estimate, construction of a 33 kV transmission line between Chennapatna and Mandya, it is mentioned in the Remarks column that this line is inconnection with the electrification of Bangalore-Mysore Railway line. In the original programme this work was included as a tie line between Mandya and Chennapatna, irrespective of the fact whether the electrification of Bangalore-Mysore section of the Mysore Railways is going to be taken up or not. This tie line incidentally helps the electrification referred to above.

Yours sincerely,

M. Hayath
3/12

R. Ramakrishna, Esq., M.Sc.EE.(Wis), MAIEE,
Secretary to the Govt. of Mysore,
Electrical Department,
BANGALORE.

MH-CSC.

(A) This typographical error may be corrected.

RoR.
3/12

3/12

NOTE TO ACCOMPANY THE STATEMENT ON POST-WAR ELECTRICAL SCHEMES.

1. A statement of Post-War Electrical Works at an estimated cost of Rs.500 lakhs proposed to be executed by the Electrical Department was received from the Chief Electrical Engineer with his letter No. C.282 dated 15th Oct. 1945, and administrative sanction therefor was accorded in EDS.No.1082-5 dated 27th Novr. 1945. The accompanying statement shows the various works covered by this sanction and allocation of funds required for these works spread over a period of 5 years. The priority to be given to these various works taking into consideration their importance and urgency is also indicated in the statement. Technical sanctions to several of these works have been accorded as shown in the statement.

2. It will be seen from the statement that the extension of the Jog Power Scheme by the installation of 4 Generating Units of 18,000 K.W. each under Item 1, is the major item costing Rs. 258.8 lakhs. Orders for all the equipment to be purchased from abroad have already been placed and the work of extension will be contiguous to the first stage of Jog Power Scheme.

3. The next major item of importance is the construction of a 110 K.V., 50 cycles Transmission line, 160 miles long, between Bhadravati and Bangalore under an estimated cost of Rs.98.65 lakhs. This work has been given the same priority as the Jog Power extension in as much as the Frequency conversion programme in the Bangalore area has to more or less keep pace with the Jog Power Extension in order that the 50 Cycle power generated at Jog may be transmitted to and utilised in the areas served by the Bangalore Receiving Station. It may be mentioned in this connection that the Cauvery Power System consisting of Sivasamudram and Shimshapura Generating Stations with a total installed capacity of 59,200 K.W. is overloaded beyond its firm capacity of 50,600 K.W., with the result that further power expansion in the East, South and South-west parts of the State cannot take place until the power generated at Jog is made available to these areas. Therefore, next in importance and urgency is the "Part conversion of Frequency in the Bangalore and Mysore areas" which has been given priority "B". This work is bound

bound to be protracted on account of the several motors of the consumers having to be replaced by 50 Cycle motors and the difficulty and delay likely to be experienced in obtaining the necessary equipment from abroad.

4. It has, however, to be mentioned that a part of the "Conversion Programme" i.e., in the Davanagere area has to be given a higher priority because of our commitment to supply to the Government of Madras with 50 Cycle power at Ujjini in the Ceded Districts. As this power has to be transmitted over the ~~Bangalore~~ Bhadravati Davanagere Transmission line, the Frequency conversion in this area has to be accomplished by 1st April 1948, which is the target date for power supply to the Ceded Districts in accordance with the agreement that is to be entered into shortly. (This has however been provided for in the J.P.S. I-stage estimate sanctioned in G.O.No.PW.8513-26/19-5-43)

5. The construction of the Davanagere-Tumkur Transmission line, 66 K.V., 50 Cycle, about 120 miles long, of a 33 K.V.line between Doddaballapur and Pavagada, construction of a 33 K.V. Transmission line between Channapatna and Mandya, and the installation of units Step-down Stations at various places mentioned in the statement are works which have been assigned priority "C", though estimates for several of these works have already been sanctioned. The other works have been given priorities "D" & "E" in the order of their urgency.

R.Ramakrishnan.
30.XI.46.

Secretary to Government,
Elecl. Dept.

GOVERNMENT OF MYSORE. POSTWAR

333

Sl. No.	Name of work	Estimated cost.	1945-46.	1946-47.	1947-48.	19
		Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs	
1.	Installation of 4-18000 K.W. Units complete with necessary switchgear at Jog and also installation of transformers and switchgear at Bhadravati including the duplicate Transmission Line between Bhadravati and Jog.	258.8	2.00	4.00	108.0	
2.	Construction of Bangalore - Bhadravati Transmission Line with necessary equipment at Bhadravati and Bangalore inclusive of interconnecting cables between the New Station and 'A', 'B' and 'C' Stations.	95.7		5.00	37.0	
3.	Construction of Davangere - Tumkur Transmission Line 66 KV.	35.7		2.00	15.0	
4.	Construction of a 33 KV. line between Dodballapur and Pavagada including increasing of the conductor size between Bangalore and Dodballapur.	11.5		2.50	4.5	

LECTRICAL SCHEMES. ELECTRICAL DEPARTMENT.

48-49. Rs akhs	1949-50. Rs Lakhs	Stage of pendency.	Priority.
		Estimate for Rs 260 lakhs has been sanctioned in Government Order No.EDS. 1216-18 dated 8th November 1946. File sent to C.E for Irrigation in D. No 567 Dy. S.E.	
112.3	25.0		(A)
		An estimate for Rs 98.65 lakhs has been received and is under consideration.	
37.7			(A)
15.0		An estimate for Rs 35,67,200 has been sanctioned in Government Order No.EDS.28-30 dated 3-7-1946.	(C)
4.5		An estimate for Rs 11,42,520 has been sanctioned in Government Order No. EDS 2387-89 dated 14-4-1946	(C)

Sl. No.	Name of work.	Estimated Cost.	1945-46.	1946-47.	1947-48.
		Rs Lakhs.	Rs Lakhs	Rs Lakhs	Rs Lakhs
4.					
5.	Installation of Unit Step down Stations for stepping down the High Tension Voltage to distribution voltage at				
	(a) Tumkur	2.08	-	-	2.08
	(b) Davangere	2.92	-	-	2.92
	(c) Shimoga	2.75	-	-	2.75
	(d) Chitaldrug	3.00	-	-	3.00
	(e) Tiptur	3.00	-	-	-
	(f) Mandya	2.75	-	-	2.75
	(g) Sagar	2.50	-	-	2.50
	(h) Chickmagalur	3.00	-	-	3.00
	(i) Pavagada	1.50	-	-	-
	(j) Goribidnur	1.50	-	-	1.50
	(k) Nanjangud	5.00	-	-	2.00
6.	Installation of Synchronous condensers at appropriate places.	10.00	-	-	-
7.	Part conversion of Frequency in Bangalore and Mysore area.	10.00	-	-	-
8.	Electrification of various important Towns.	25.30	~~6x50~~	6.50 ~~12x00~~	12. ~~4x0~~

1948-49.	1949-50.	Stage of pendency.	Priority.
Rs Lakhs	Rs Lakhs		
-	-	Estimate for 2,07,500 sanctioned in Government Order No.EDS. 35-7 dated 4-7-1946	
-	-	Estimate for Rs 2,91,600 sanctioned in Government Order No.EDS.50-52 dated 5-7-1946	
-	-	Estimate for Rs 3.41 lakhs received. (Since sanctioned in EDS.	C
-	-	Estimate for Rs 2,79,470 sanctioned in Government Order No.EDS.C.13-15 dated 30-9-1946	
3.0	-	Estimate not yet received	
-	-	Do.	
-	-	Estimate for Rs 2.90 Lakhs received and ~~under consideration.~~ Since sanctioned in G.O. No EDS 14038-6 Dt 27/11/46	
-	-	Estimate not yet received	Rest.
1.5	-	Do.	
-	-	Do.	
3.0	-	Do.	
5.0	5.0	Do.	E
4.0	6.0	Do.	B
4.0		Estimate for Rs 2,50,000 received for the electrification of Anandapuram Thygarthi and Rhipponpet and is under consideration.	D

File under Circle X - issue ...

Sl. No.	Name of work.	Estimated cost.	1945-46.	1946-47.	1947-48.
		Rs Lakhs	Rs Lakhs	Rs Lakhs	Rs Lakhs
9.	Construction of a 33 KV. Transmission Line between Chennapatna and Mandya.	4.00	-	-	-
10.	Relay system for High Tension net work	6.00	-	-	-
11.	Underground cables for feeders in Bangalore and Mysore Distribution system	13.00	-	-	-
	Total	500.00	2.00	20.00	199

A.N.30th

1948-49.	1949-50. 1950-51	Stage of pendency.	Priority.	
Rs Lakhs	Rs Lakhs.			
2.0	2.0	Estimate not yet received.	(C)	In connection with electrification of the Bangalore - Mysore Railway Line.
1.0	5.0	Do.	(D)	
7.0	6.0	Do.	(C)	
200	49.0	30.0		

R. Ramakrishna.

Secretary to Government, 2-12-46.
Electrical Department.

Urgent 33

Appendix F. G.—1]

SUBJECT Introduction of Trolley-bus system in Bangalore City & B&M. Station

Section Elect
File No. 136-46
Serial No. 4

Diary No. of letter replied to 1015

No. 3502-05

General and Revenue Secretariat

( )

the 194 .

To.

The Chief Electrical Engineer,
Bangalore

Date of issue 2-4-47

Signed by Mr. R. R.

Sir,

With reference to Correspondence ending with your D.O. letter No. 5.88 dated the 3rd December 1946, I am directed to state that it is now decided by Govt. that pending decision at a later stage on the question of management of the service, the initial construction of the Trolley-bus should

List of enclosures Nil

Copied by

Examined by

WD 02745—GPB—25,000-24-6 46

be by you. I am, therefore, to request you kindly to prepare and submit plans & detailed estimates in this regard for the orders of Govt.

Funds required in this connection, non-recurring and recurring should also be intimated.

I have etc.

Secretary to Govt,
Electrical Dept
1/4/47

Copy w/c to G.M., M.S. Rys.
Copy w/c to the General Secretary to Govt.
Copy w/c to the Commissioner for Economic Development & Planning for information.

P.L.
Secretary to Govt,
Electrical Dept.
1/4/47

1/4

1/4

x x x

With regard to the electrification of the Mysore-Bangalore section of the Mysore Rys. I am to state that as this is primarily a railway project, the funds required for this work will be provided for in the Ry. Dept's budget

No.E.D.S. 3502/Elel-136-46-4

April 2nd, '47

Electrical Department, Bangalore.

The Chief Electrical Engineer,
Bangalore.

Subject:- Introduction of Trolley-buses in Bangalore City and Civil and Military Station.

With reference to correspondence ending with your letter D.O.No.588 dated the 3rd December 1946 I am directed to state that it is now decided by Government that pending decision at a later stage on the question of management of the service, the intitial construction of the Trolley-bus should be by Government. I am therefore to request you kindly to prepare and submit plans and detailed estimates in this regard for the orders of Government.

2. Funds required in this connection, non-recurring and recurring should also be intimated.

3. With regard to the electrification of the Mysore - Bangalore Section of the Mysore Railways, I am to state that as this is primarily a railway project, the funds required for this work will be provided for in the Railway Department's budget.

I have the honour to be,
Sir,
Your most obedient servant,

Sd. R. Ramakrishna,
Secretary to Government,
Electrical Department.

A.N.2nd
No.EDS. 3503/Elel-136-46-4 Dated Bangalore, 2nd April 1947

Copy of the above, is forwarded, with compliments, to the

36

the General Manager, Mysore State Railways, for information.

Sd. R. Ramakrishna

Secretary to Government,
Electrical Department.

A.N.2nd

No.EDS. 3504/Elel-136-46-4 Dated Bangalore, 25 April 1947

Copy of the foregoing, is forwarded, with compliments, to the Secretary to Government, General Department, for information.

Sd. R. Ramakrishna,

Secretary to Government,
Electrical Department.

No.EDS. 3505/Elel-136-46-4 Dated Bangalore, 25 April 1947

Copy of the foregoing, is forwarded, with compliments, to the Commissioner for Economic Development and Planning for information.

RR 2.4.47.

Secretary to Government,
Electrical Department.